

FORM 2 Rev 12/05	State of Colorado Oil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">DE</td> <td style="width:25%;">ET</td> <td style="width:25%;">OE</td> <td style="width:25%;">ES</td> </tr> </table>	DE	ET	OE	ES
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APPLICATION FOR PERMIT TO:

1. **Drill,** Deepen, Re-enter, Recomplete and Operate

2. TYPE OF WELL

OIL GAS COALBED OTHER _____
 SINGLE ZONE MULTIPLE ZONE COMMINGLE ZONE

Refiling
 Sidetrack

Document Number:

400153964

Plugging Bond Surety

19880020

3. Name of Operator: MARATHON OIL COMPANY 4. COGCC Operator Number: 53650

5. Address: 5555 SAN FELIPE
 City: HOUSTON State: TX Zip: 77056

6. Contact Name: Anna Walls Phone: (713)296-3468 Fax: (713)513-4394
 Email: avwalls@marathonoil.com

7. Well Name: Owl Creek 8-64-6 Well Number: 1A

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 12755

WELL LOCATION INFORMATION

10. QtrQtr: Lot 4 Sec: 6 Twp: 8N Rng: 64W Meridian: 6
 Latitude: 40.694336 Longitude: -104.598600

Footage at Surface: FNL/FSL FEL/FWL
600 feet FNL 605 feet FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5176.8 13. County: WELD

14. GPS Data:
 Date of Measurement: 03/23/2011 PDOP Reading: 1.9 Instrument Operator's Name: Allen Blattel

15. If well is Directional Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
850 FNL 855 FWL 600 FSL 600 FEL
 Sec: 6 Twp: 8N Rng: 64W Sec: 6 Twp: 8N Rng: 64W

16. Is location in a high density area? (Rule 603b)? Yes No

17. Distance to the nearest building, public road, above ground utility or railroad: 606 ft

18. Distance to nearest property line: 600 ft 19. Distance to nearest well permitted/completed in the same formation: 4080 ft

LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
Niobrara	NBRR	535-46	640	ALL

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

21. Mineral Ownership: Fee State Federal Indian Lease #: _____
22. Surface Ownership: Fee State Federal Indian
23. Is the Surface Owner also the Mineral Owner? Yes No Surface Surety ID#: 20070075
23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? Yes No
23b. If 23 is No: Surface Owners Agreement Attached or \$25,000 Blanket Surface Bond \$2,000 Surface Bond \$5,000 Surface Bond
24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):
All of Section 6, T8N, R64W, 6th P.M.
25. Distance to Nearest Mineral Lease Line: 600 ft 26. Total Acres in Lease: 640

DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? Yes No If Yes, attach contingency plan.
28. Will salt sections be encountered during drilling? Yes No
29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? Yes No
30. If questions 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? Yes No
31. Mud disposal: Offsite Onsite **If 28, 29, or 30 are "Yes" a pit permit may be required.**
Method: Land Farming Land Spreading Disposal Facility Other: evaporation/backfill
Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	24	20		0	40			
SURF	16	13+3/8	54.5	0	1,250	550	1,250	0
1ST	12+1/4	9+5/8	40	0	7,385	1,470	7,385	0
2ND	7+7/8	5+1/2	20	0	12,755	720	12,775	6,385

32. BOP Equipment Type: Annular Preventer Double Ram Rotating Head None
33. Comments The Owl Creek 8-64-6-1A is one of two horizontal wells (Owl Creek 8-64-6-1B) to be permitted in this section. However, Marathon intends to only drill one of these wells. There are no visible improvements within 400' of wellhead. A spacing application has been filed for June hearing.

34. Location ID: _____
35. Is this application in a Comprehensive Drilling Plan ? Yes No
36. Is this application part of submitted Oil and Gas Location Assessment ? Yes No
I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.
Signed: _____ Print Name: Anna Walls
Title: Regulatory Compliance Rep Date: 4/20/2011 Email: avwalls@marathonoil.com

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: David S. Neslin Director of COGCC Date: 6/29/2011

Permit Number: _____ Expiration Date: 6/28/2013

API NUMBER

05 123 33796 00

CONDITIONS OF APPROVAL, IF ANY:

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

Should this well be drilled, the 8-64-6 1B location must be abandoned.

- 1) Provide 24 hour notice of MIRU to Bo Brown at 970-397-4124 or e-mail at bo.brown@state.co.us.
- 2) Comply with Rule 317.i and provide cement coverage from end of production casing to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) Comply with Rule 321. Run and submit Directional Survey from end of production casing to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Attachment Check List

Att Doc Num	Name
1770997	SURFACE CASING CHECK
400153964	FORM 2 SUBMITTED
400156450	PLAT
400156453	DEVIATED DRILLING PLAN
400156454	30 DAY NOTICE LETTER

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	On waiting on pending spacing application in June hearing. 1106-sp-72	5/4/2011 8:02:29 AM
Permit	waiting on verification that the leasehold reported by the operator does indeed cover the entire length of the lateral while at the same time honoring the necessary setbacks from the lease or unit boundary.	4/25/2011 5:43:03 AM
Permit	Changed surface bond number to 20070075 per AW. plg.	4/21/2011 10:15:29 AM

Total: 3 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)